

PLANTO MIKRO UNI

Biodegradable cutting oil for mist application



Description

PLANTO MIKRO UNI is a metal working fluid for minimum quantity lubrication.

It contains highly effective EP and anti-wear additive package free from chlorine and heavy metals.

Based on a special aromatic free synthetic base oil, PLANTO MIKRO UNI provides outstanding machining performance on all high strength steel alloys, aluminium, titanium and cast alloys.

PLANTO MIKRO UNI is defined as "low emission product" corresponding to the German Works Association BG.

Application

PLANTO MIKRO UNI is an advanced cutting fluid intended for minimum lubrication spray mist applications.

PLANTO MIKRO UNI is designed to be suitable for use with all types of spray systems (single canal, high pressure systems and dual canal systems) and is highly effective at low dosages, thus significantly reducing fluid consumption.

As regards application, please observe current German VDI Guidelines 3035, 3397 Sections 1 – 3 for perfect results.

Storage

0 to 40°C

Advantages/Benefits

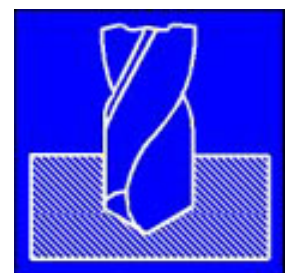
- Rapidly biodegradable
- Toxicologically not classified as hazardous
- Good spray stability with high pressure systems and single canal systems
- Multi metal compatibility
- High levels of machining performance
- Mineral oil free
- Neutral odour
- More security through high flash point
- Low evaporation loss
- Low emissions

The advantages of minimum quantity lubrication are:-

- Leaves no residues on work pieces
- Dry work pieces, machines and chips
- No cutting fluid disposal necessary
- Increased tool life
- Higher performance than conventional fluids

Other Services

- A comprehensive range of monitoring and maintenance systems are available from FUCHS Lubricants UK, incorporating fluid dispensing, recycling and disposal equipment.



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Health, Safety and Environment - information is provided for products in the relevant Safety Data Sheet. This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products.

CHARACTERISTICS: PLANTO MIKRO UNI

Characteristics	Unit		Test Method
Density at 15°C	g/ml	0.88	DIN 51 757
Colour	ASTM	0.5	DIN ISO 2049
Viscosity at 40°C	mm ² /s	15	DIN 51 562-1
Flashpoint	°C	200	DIN ISO 2592
Copper corrosion	Degree of corrosion	1-100 A3	DIN EN ISO 2160
Pour point	°C	-5	DIN ISO 3016

Component Protection

Following manufacturing operations Fuchs recommends the use of our fully compatible RENOCLEAN cleaners and ANTICORIT corrosion preventives to clean and protect your components. Please refer to data sheets, or contact your local Fuchs Area Manager to discuss your requirements.